



Blood gases & pH reference interval change

APPLIES TO ALL INPATIENT LOCATIONS AT BOTH CAMPUSES

- Blood gases and pH testing at Upstate will be transitioned to a new instrument on **11/18/2021**.
- Because of this change, the reference values for some of the blood gas analytes need to be updated.
- The analytes listed below have the indicated changes to their reference ranges.
- For any analytes not listed, the reference values remain **unchanged**.

The EPIC order codes for all blood gas and pH tests are **unchanged**

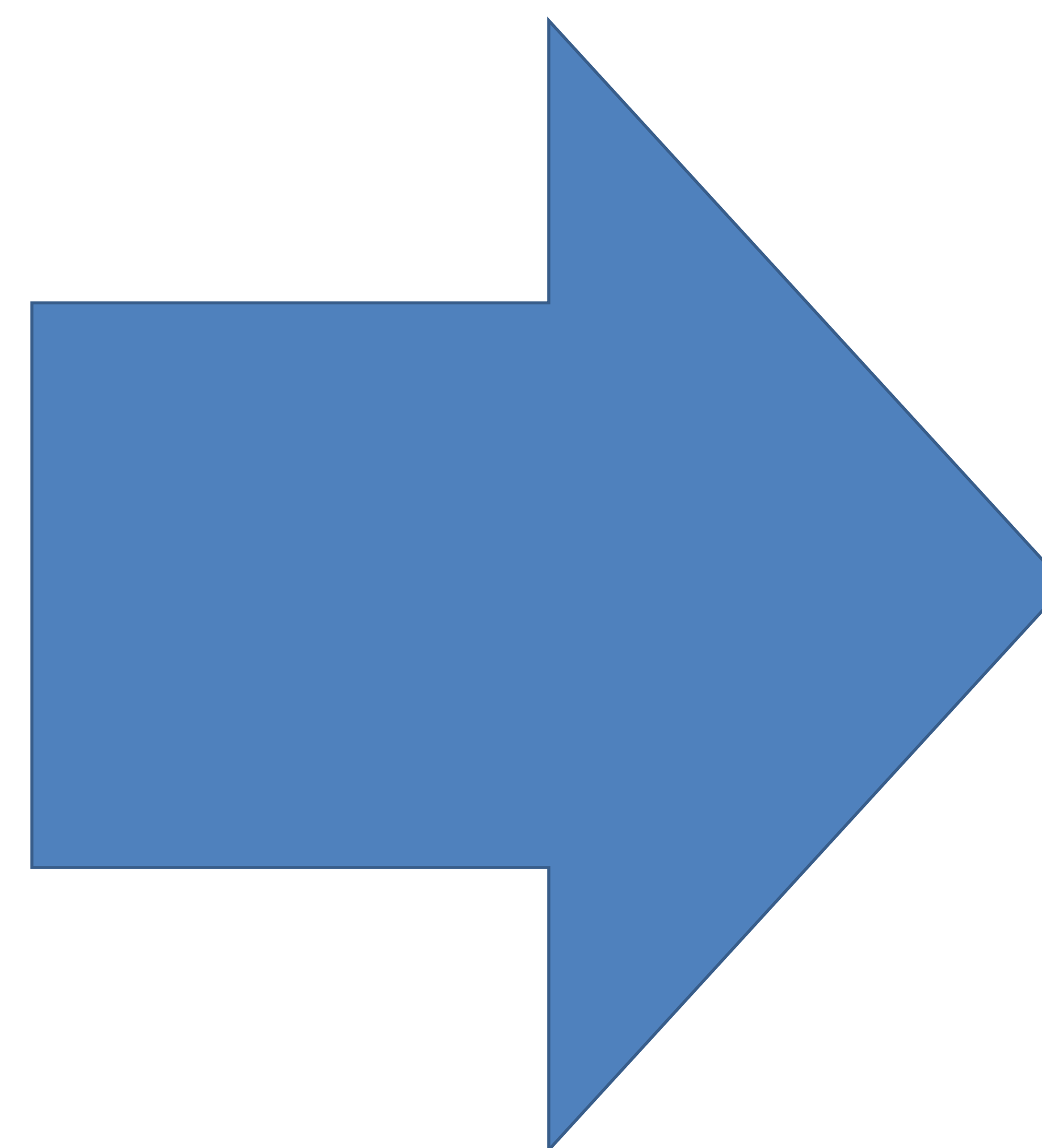
Current reference intervals:

Arterial blood gas

pH	7.38 – 7.44
pCO ₂	35 - 40 mmHg
pO ₂	95 – 100 mmHg

Venous blood gas

pH	7.36 -7.41
pCO ₂	40– 45 mmHg
pO ₂	n/a



New reference intervals:

Arterial blood gas

pH	7.35-7.45 (all ages)
pCO ₂	Male 35-48 mmHg (all ages) Female 32-45 mmHg (all ages)
pO ₂	83-108 mmHg (all ages)

Venous blood gas

pH	7.35-7.45 (all ages)
pCO ₂	40-60 mmHg (all ages)
pO ₂	15-52 mmHg (> 5 yrs) 25-49 mmHg (birth to 5 yrs)

For questions, contact Core/Clinical Chemistry Lab: 315-464-9175